Info-Hams Digest   Thu, 15 Jul 93   Volume 93 : Issue 859

Today's Topics:

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

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>From wlb Thu Jul 15 13:13:41 EDT 1993 remote from bloomu.edu
Received: from bloomu.edu by husky.bloomu.edu; Thu, 15 Jul 1993 13:18 EDT
Received: by saturn.bloomu.edu (4.1/SMI-4.1)
        id AA02863; Thu, 15 Jul 93 13:13:41 EDT
Date: Thu, 15 Jul 93 13:13:41 EDT
From: wlb@bloomu.edu (William L. Barnes)
Message-Id: <9307151713.AA02863@saturn.bloomu.edu>
To: info-hams@ucsd.edu
Subject: Hi
Content-Type: text
Content-Length: 94
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Could you please subscribe me to your list?

Thanks.
73, de Bill, N3JIX
wlb@saturn.bloomu.edu

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Date: 15 Jul 93 16:12:57 GMT
From: ogicse!emory!nntp.msstate.edu!Ra.MsState.Edu!cll4@network.UCSD.EDU
Subject: Autoexam new test pools
To: info-hams@ucsd.edu
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I have just finished setting up the new Novice test pool for use with
Autoexam. I am working on the rest of the pools as time allows.

If anyone would like a copy, drop me a line.

Also, if anyone has copies of any of the other pools set up for AE, let me
know so I won't have to (as one of my CS teachers says..) "re-invent the
wheel."

--

Craig Lindsey - KC5AUG | My politics are simple: Always go right. If
Internet: cll4@ra.msstate.edu| you go left, you can never go right, and if
Bitnet: cll4@msstate.bitnet | you go right, you never go wrong. -Grizzard

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Date: Thu, 15 Jul 1993 08:16:20 GMT
From: pipex!uknet!sni.co.uk!brucea@uunet.uu.net
Subject: Brit rallies
To: info-hams@ucsd.edu
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Derek Wills (oo7@emx.cc.utexas.edu) wrote:
: dave@llondel.demon.co.uk (David Hough) replies:

: >In article <CA5MpC.K2@brunel.ac.uk> Alan.Holmes@brunel.ac.uk (Alan J Holmes)
writes:
: >>
: >> Would it be at all possible for the entry (and other)
: >> fees for these rallies to be published in advance. It
: >> would be useful to know in advance whether you can afford
: >> to go.

: >There are implications with mentioning money on GB2RS broadcasts - I know it
: >has been done in the recent past but I was once told that *all* mention of
: >admission prices etc was removed from the packet version of the news once
: >(by a member of HQ staff, not Ted). Not sure what the current RA line on
: >it is now though.

: Apologies if you (not Alan, whoever asked) knew this already (or if I'm
: wrong), but the rallies referred to in the RSGB (sorry, rsgb) bulletins
: are not car rallies in the sense that they are understood here.   I think
: they are what would be called Hamfests here, and I would expect that the
: admission price is trivial.   At least, it is once you have decided to
: cross the Atlantic in order to go to one...

Well it does vary from event to event. Those in stately home grounds tend
to be the most expensive, something like USD5.00

: I worked someone at the Longleat rally a few days ago, and he was running
: a portable station set up in the grounds, he wasn't whizzing around at high
: speed in a car.

Presumably GB2LMR the HF and VHF talk in station. From what I can recall it
is usually located a little way from the actual site with the marquees. BTW
Longleat this year was marked by the usual hot WX.

: But perhaps I have this all wrong - it has been known.

: Derek Wills (AA5BT, G3NMX)
: Department of Astronomy, University of Texas,
: Austin TX 78712. (512-471-1392)
: oo7@astro.as.utexas.edu

--
Lehane Kellett. G8KMH. Siemens Nixdorf Information Systems, Bracknell.
lehane@sni.co.uk
Standard disclaimers apply. Warranty void if opened.

Date: 15 Jul 93 16:58:19 GMT
From: news-mail-gateway@ucsd.edu
Subject: Call sign snobbery
To: info-hams@ucsd.edu

But for the ultimate in calls you need to be a monarch. 1 + 2 or 2+1
calls are "obviously" a lot better but nothing beats a 2+0 call, like
King Hussain, JY1. Shame its two long letters. King Juan Carlos of
Spain has a EA 2+ 2 call perhaps he could finagle a 2+ 0 like EA5 or
even EE5. Just think of the problems in pile ups: "The Juliet Yankee
One station, your full call please".

A short while ago I met a ham on 2m FM with the call KB7QQQ -- enough
to keep you from using CW at all!

I'm still debating whether I should change my call (it is an nice CW
call -- it has good rythmn). I could imagine getting AB7CJ or CY or
something -- oh, that looks ugly.

But in 20 years all of these calls we have will seem like valuable old
calls. And you'll be able to say "I remember when we had 1 + 3 calls
and people dropped them like crazy to get 2 + 2's -- a bit shorter than
todays 2+ 4 calls, eh, young 'un? <drools on shoulder, and rants about
how real hams in the old days used to use TCP/IP over AX25 at 1200 baud
and none of these new-fangled multimedia networking protocols at 100Mbps>"

Kevin Purcell N7WIM / G8UDP (2 x 1+3 -- so there!)
a-kevinp@microsoft.com
Sit simplex, stulte!

Date: 15 Jul 93 16:24:03 GMT
From: ogicse!uwm.edu!math.ohio-state.edu!darwin.sura.net!haven.umd.edu!cville-
srv.wam.umd.edu!ham@network.UCSD.EDU
Subject: CW, CW everywhere!!!
To: info-hams@ucsd.edu

The other day I was out in my backyard picking blackberries (concentrating
on not getting stuck by the thorns), and up pops into my head "S...S...S..."
A string of about 7 "S"s.

Surprised by this sudden infusion of letters from wherever (or whomever),
I started to consciously listen to the surroundings, and I heard this bird
up in a tree going,

"Tweet Tweet Tweet"

So obviously I copied these as the letter "S." I've been doing too much
CW, I guess. I was too ashamed to tell even my fiancee, who's a no-code
Tech, and I thought I'd find some people who might even understand... :-)

CU on 20 CW,

Scott NF3I

--
73,   _____ _____ The
                                  \ / Long   Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00

    WAC CW/SSB WAS 95% of the way to DXCC _____| Dipoles! Antenna!

Date: 15 Jul 93 17:35:58 GMT
From: ogicse!hp-cv!hp-pcd!hpcvsnz!tomb@network.UCSD.EDU
Subject: DJ-580 mod
To: info-hams@ucsd.edu

Bruce Perens (bruce@mongo.Com) wrote:

: They told me that they would "modify" the radio, without mentioning that they
: would simply turn down the sensitivity. I did notice that pager transmitters
: were unavoidable with the HT connected to an external antenna, so the R.F.
: gain was probably much too high.

: I suspect that if that makes any
: difference in range, it will be more for "scanner" uses than for amateur radio.
: I was able to hear much more than I could work before, and what I heard
: was probably determined more by s/n at the antenna rather than the gain of the
: R.F. stages.
:   Bruce KD6OTD

As a DJ-580 owner with a radio that probably was made just before the
(rumored??) factory changes to reduce intermod, I've been following this
discussion with interest. It has occured to me that for base-station ham
use, at least, and maybe even for mobile ham use, you could put a good
passband filter in the antenna lead. A three or four pole helical
resonator could drop stuff outside the ham bands by more than the
antenna gain pretty easily, I think. Dunno quite how you'd do it for
146 and 440 MHz at the same time, tho, if your antenna is dual band.
Has anyone else thought about doing this?

Date: Thu, 15 Jul 1993 12:52:02 GMT
From: pipex!bnr.co.uk!corpgate!nrtpa038!brtph560!node_17aa4!kme@uunet.uu.net
Subject: DSQ on DJ-580, HELP !!!!!
To: info-hams@ucsd.edu

I have been going 'nuts' lately. I wish to use the DSQ feature on the DJ-580,
with virtually NO success. I could get it to unsquelch on ONLY using the 'b'
group with 000, and the DSQ (no P or G) setting in the LCD display. If I changed
the code, it would no longer work. Is there anyone who can give a GOOD (which the
instruction manual for the 580 is not) description of operation for DSQ on the
DJ-580 ?

I haven't even thought of sending digital messages yet !!

--
==

Ken M. Edwards, PE Bell Northern Research, Research Triangle Park, NC
(919) 481-8476 email: cnc23a@bnr.ca   Ham: N4ZBB

All opinions are my own and do not necessarily reflect the views of
my employer or co-workers, family, friends, congress, or president.

Let this be the day...
  when you stop just thinking about your dreams,
  and you start doing something to make them happen!
Let this be the day...
  you give your best,
  believe that you can make a difference in the world,
  because it's true!
Let this be the day...
  when you can honestly say
  you've lived life to the fullest.
                                    Linda Lee Elrod

Date: Thu, 15 Jul 1993 10:49:37 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!sdd.hp.com!col.hp.com!news.dtc.hp.com!
hpscit.sc.hp.com!hplextra!hplb!hpwin052!hpqmoea!dstock@network.UCSD.EDU
Subject: Filter Bandwidth, not easy to mod
To: info-hams@ucsd.edu

  Mechanical filters are based on the coupled resonator principle, not
on classical lowpass-prototype filter design

What this means is that the disc resonant frequencies are all very
close together, and that the coupling wires control the bandwidth.

The couplings do have a small effect on the freq of each disc, nd it is
possible that small corrections may have been made in the initial
manufacture.

   You could change such filters by just mucking around with the
coupling wires (and the input-output couplings or Z's) but the cost of
these beasts and the irreversability of experimental changes would
rather discourage me.

   Beware of transducer non-linearity, a lot of mech filters were very
bad for intermods.

   Cheers
                David   GM4ZNX

Date: Thu, 15 Jul 1993 13:32:09 GMT
From: nevada.edu!news.unomaha.edu!news@uunet.uu.net
Subject: Guide to the Personal Radio Newsgroups
To: info-hams@ucsd.edu

Posted-By: auto-faq 2.4
Archive-name: radio/personal-intro
Revision: 1.4 06/30/93 12:04:14
Changes: new rec.radio.amateur.* newsgroups, cs.utexas.edu gateway

(Note: The following is reprinted with the permission of the author.
Due to the recent reorganization, it is also on a temporarily-
accelerated posting schedule as follows:

July   weekly
August   bi-weekly
September back to monthly)

This message describes the rec.radio.amateur.*, rec.radio.cb, rec.radio.info,
and rec.radio.swap newsgroups. It is intended to serve as a guide for the new
reader on what to find where. Questions and comments may be directed to the
author, Jay Maynard, K5ZC, by Internet electronic mail at
jmaynard@oac.hsc.uth.tmc.edu. This message was last changed on 30 June 1993 to
add the groups created during the latest reorganization vote and the
description of the cs.utexas.edu gateway.

History

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Way back when, before there was a Usenet, the Internet hosted a mailing list
for hams, called (appropriately enough) INFO-HAMS. Ham radio discussions
were held on the mailing list, and sent to the mailboxes of those who had
signed up for it. When the Usenet software was created, and net news as we
now know it was developed, a newsgroup was created for hams: net.ham-radio.
The mailing list and the newsgroup were gatewayed together, eventually.

As the net grew, and as packet radio came into vogue, packet discussion began
to dominate other topics in the group and on the list. This resulted in the
logical solution: a group was created to hold the packet discussion, and
another corresponding mailing list was created as well: net.ham-radio.packet
and PACKET-RADIO, respectively.

These two groups served for several years, and went through Usenet's Great
Renaming essentially unchanged, moving from net.ham-radio[.packet] to
rec.ham-radio[.packet]. Readership and volume grew with the rest of the
network.

The INFO-HAMS mailing list was originally run from a US Army computer at
White Sands Missile Range, SIMTEL20. There were few problems with this
arrangement, but one was that the system was not supposed to be used for
commercial purposes. Since one of hams' favorite pastimes is swapping
gear, it was natural for hams to post messages about equipment for sale
to INFO-HAMS/rec.ham-radio. This ran afoul of SIMTEL20's no-commercial-use
restriction, and after some argument, a group was created specifically
for messages like that: rec.ham-radio.swap. This group wasn't gatewayed to
a mailing list, thus avoiding problems.

While all this was happening, other folks wanted to discuss other aspects
of the world of radio than the personal communications services. Those
folks created the rec.radio.shortwave and rec.radio.noncomm newsgroups,
and established the precedent of the rec.radio.* hierarchy, which in turn
reflected Usenet's overall trend toward a hierarchical name structure.

The debate between proponents of a no-code ham radio license and its opponents
grew fierce and voluminous in late 1989 and 1990. Eventually, both sides grew
weary of the debate, and those who had not been involved even more so. A
proposal for a newsgroup dedicated to licensing issues failed. A later
proposal was made for a group that would cover the many recurring legal issues
discussions. During discussion of the latter proposal, it became clear that it
would be desirable to fit the ham radio groups under the rec.radio.*
hierarchy. A full-blown reorganization was passed by Usenet voters in January
1991, leading to the overall structure we now use.

After the reorganization, more and more regular information postings began to
appear, and were spread out across the various groups in rec.radio.*. Taking

the successful example of the news.answers group, where informational postings
from across the net are sent, the group rec.radio.info was created in
December, 1992, with Mark Salyzyn, VE6MGS, initially serving as moderator.

In January, 1993, many users started complaining about the volume in
rec.radio.amateur.misc. This led to a discussion about a second
reorganization, which sparked the creation of a mailing list by Ian Kluft,
KD6EUI. This list, which was eventually joined by many of the most prolific
posters to the ham radio groups, came up with a proposal to add 11 groups to
the rec.radio.amateur hierarchy in April 1993. The subsequent vote, held in
May and early June, approved the creation of five groups:
rec.radio.amateur.digital.misc (to replace .packet), .equipment, .homebrew,
.antenna, and .space.

The Current Groups
==================

I can hear you asking, "OK, so this is all neat history, but what does it
have to do with me now?" The answer is that the history of each group has
a direct bearing on what the group is used for, and what's considered
appropriate where.

The easy one is rec.radio.amateur.misc. It is what rec.ham-radio was renamed
to during the reorganization. Any message that's not more appropriate in one
of the other groups belongs here, from contesting to DX to ragchewing on VHF
to information on becoming a ham.

The group rec.radio.amateur.digital.misc is for discussions related to
(surprise!) digital amateur radio. This doesn't have to be the common
two-meter AX.25 variety of packet radio, either; some of the most
knowledgeable folks in radio digital communications can be found here, and
anything in the general area is welcome. The name was changed to emphasize
this, and to encourage discussion not only of other text-based digital modes,
such as AMTOR, RTTY, and Clover, but things like digital voice and video as
well. The former group, rec.radio.amateur.packet, has not been removed as of
this writing, but it is obsolete, and you should use .digital.misc instead.
The group has the .misc as part of the name to allow further specialization if
the users wish it, such as .digital.tcp-ip.

The swap group is now rec.radio.swap. This recognizes a fact that became
evident shortly after the original group was formed: Hams don't just swap ham
radio gear, and other folks besides hams swap ham equipment. If you have radio
equipment, or test gear, or computer stuff that hams would be interested in,
here's the place. Equipment wanted postings belong here too. Discussions about
the equipment generally don't; if you wish to discuss a particular posting
with the buyer, email is a much better way to do it, and the other groups,
especially .equipment and .homebrew, are the place for public discussions.
There is now a regular posting with information on how to go about buying and

selling items in rec.radio.swap; please refer to it before you post there.

The first reorganization added two groups to the list, one of which is
rec.radio.amateur.policy. This group was created as a place for all the
discussions that seem to drag on interminably about the many rules,
regulations, legalities, and policies that surround amateur radio, both
existing and proposed. The neverending no-code debate goes here, as does
the New Jersey scanner law, the legality of ordering a pizza on the
autopatch, what a bunch of rotten no-goodniks the local frequency
coordinating body is, and so on.

The other added group is rec.radio.cb. This is the place for all discussion
about the Citizens' Band radio service. Such discussions have been very
inflammatory in rec.ham-radio in the past; please do not cross-post to both
rec.radio.cb and rec.radio.amateur.* unless the topic is genuinely of interest
to both hams and CBers - and very few topics are.

The rec.radio.info group is just what its name implies: it's the place where
informational messages from across rec.radio.* may be found, regardless of
where else they're posted. As of this writing, information posted to the group
includes Cary Oler's daily solar progagation bulletins, ARRL bulletins, the
Frequently Asked Questions files for the various groups, and radio
modification instructions. This group is moderated, so you cannot post to it
directly; if you try, even if your message is crossposted to one of the other
groups, your message will be mailed to the moderator, who is currently Mark
Salyzyn, VE6MGS. The email address for submissions to the group is
rec-radio-info@ve6mgs.ampr.ab.ca. Inquires and other administrivia should be
directed to rec-radio-request@ve6mgs.ampr.ab.ca. For more information about
rec.radio.info, consult the introduction and posting guidelines that are
regularly posted to that newsgroup.

The groups rec.radio.amateur.antenna, .equipment, .homebrew, and .space are
for more specialized areas of ham radio: discussions about antennas,
commercially-made equipment, homebrewing, and amateur radio space operations.
The .equipment group is not the place for buying or selling equipment; that's
what rec.radio.swap is for. Similarly, the .space group is specifically about
amateur radio in space, such as the OSCAR program and SAREX, the Shuttle
Amateur Radio EXperiment; other groups cover other aspects of satellites and
space. Homebrewing isn't about making your own alcoholic beverages at home
(that's rec.crafts.brewing), but rather construction of radio and electronic
equipment by the amateur experimenter.

The rec.radio.amateur.misc, .packet, and .policy groups, and the
rec.radio.info group, are available by Internet electronic mail in digest
format; send a mail message containing "help" on a line by itself to
listserv@ucsd.edu for instructions on how to use the mail server. The
rec.radio.swap group is not available for reading by electronic mail. At this
writing, the most recently added groups are also not available for reading by

electronic mail, although that may change.

All of the groups can be posted to by electronic mail, though, by using a
gateway at the University of Texas at Austin. To post a message this way,
change the name of the group you wish to post to by replacing all of the '.'s
with '-'s - for example, rec.radio.swap becomes rec-radio-swap - and send to
that name@cs.utexas.edu (rec-radio-swap@cs.utexas.edu, for example). You may
crosspost by including multiple addresses as Cc: entries (but see below). This
gateway's continued availability is at the pleasure of the admins at
UT-Austin, and is subject to going away at any time - and especially if
forgeries and other net.abuses become a problem. You have been warned.

A Few Words on Crossposting
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Please do not crosspost messages to two or more groups unless there is genuine
interest in both groups in the topic being discussed, and when you do, please
include a header line of the form "Followup-To: group.name" in your article's
headers (before the first blank line). This will cause followups to your
article to go to the group listed in the Followup-To: line. If you wish
to have replies to go to you by email, rather than be posted, use the word
"poster" instead of the name of a group. Such a line appears in the headers
of this article.

One of the few examples of productive cross-posting is with the rec.radio.info
newsgroup. To provide a filtered presentation of information articles, while
still maintaining visibility in their home newsgroups, the moderator strongly
encourages cross-posting. All information articles should be submitted to the
rec.radio.info moderator so that he may simultaneously cross-post your
information to the appropriate newsgroups. Most newsreaders will only present
the article once, and network bandwidth is conserved since only one article is
propagated. If you make regular informational postings, and have made
arrangements with the moderator to post directly to the group, please
cross-post as appropriate.

--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.
      "If my car ran OS/2, it'd be there by now" -- bumper sticker
               GCS d++ p+ c++ l+ m+/- s/++ g++ w++ t+ r

--
73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

Celebrating 60 years of the Univ. of Maryland ARA - W3EAX (1933-1993)

Date: 15 Jul 93 08:49:46 -0500
From: envoy.wl.com!reeve.research.aa.wl.com!aa.wl.com!weinkar@decwrl.dec.com
Subject: How does an American sign in Canada?
To: info-hams@ucsd.edu

In article <WY1Z.93Jul6233812@splinter.coe.northeastern.edu>,
wy1z@splinter.coe.northeastern.edu (MacGyver) writes:
>
> I am planning on visiting Canada from Boston in a matter of weeks, and
> since I know Americans have auto-reciprocity with the Canadians (as I
> think they do to here), how does an American ham sign in Canada?
>
> For that matter, how about the other way around? I'd assume it would be
> the reverse?
>
> I will be visiting Montreal which is VE2 land.
>
> My call is WY1Z, so would it be WY1Z/VE2 or VE2/WY1Z?
>

Scott, the identification requirements of the agreement state that you
should sign as WY1Z/VE2 ("stroke", "slash", "mobile", "portable", etc.),
AND that at least once during each conversation, or every 30 minutes, you
must identify your location with the nearest town, or significant
landmark.

That's all there is to it. And yes, Canadians must follow the same format
for identification when they operate over here.

--
Rich Weinkauf   Parke-Davis Pharmaceutical Research, Ann Arbor, MI
Internet: weinkar@aa.wl.com   AMPRNet: 44.102.16.26
AX.25Net: N8QLT@WB8ZPN.#SEMI.MI.USA.NA   Prodigy: BNCG39A
   "Waiter, would you serve the nuts? I mean serve the guests the nuts?"

Date: Thu, 15 Jul 1993 07:05:46 GMT
From: pa.dec.com!uvo.dec.com!helles.unt.dec.com!janix.pcs.dec.com!pcs.dec.com!
ajk@decwrl.dec.com
Subject: IARU Contest ???
To: info-hams@ucsd.edu

In article <CA6IHL.G44@egr.uri.edu>, swamik@orca.NoSubdomain.NoDomain (Swami
Kumaresan) writes:

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>>      What does IARU stand for (Int'l Amateur Radio U???????)

U as Union

--
   Dr. Anton J. Kuchelmeister                   Digital-PCS Munich Germany
   ajk@pcs.dec.com

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Date: Thu, 15 Jul 1993 13:31:46 GMT
From: nevada.edu!news.unomaha.edu!news@uunet.uu.net
Subject: Index to the rec.radio.amateur.* Supplemental Archives
To: info-hams@ucsd.edu

Posted-By: auto-faq 2.4
Archive-name: radio/ham-radio/archives

The following is a list of informational files for this newsgroup
available via anonymous FTP from ftp.cs.buffalo.edu (currently at IP
number 128.205.32.9) or the Australian mirror at grivel.une.edu.au
(currently at IP number 129.180.4.7).

Questions to bowen@cs.buffalo.edu

1750m.band          - misc info on the 1750m band
222xvtr.zip         - PostScript code for KH6CP no-tune 222-MHz transverter
ampr_coordinators  - coordinators for packet IP addresses
antenna_refs        - references for articles about antenna designs
arrl-logo.ps        - ARRL logo in PostScript format
arrl_bib       - bibliographies from ARRL literature (ASCII format)
arrl_digital_minutes   - Minutes of the ARRL committee on digital comm.
arrl_fo_jobs        - descriptions of some ARRL Field Organization jobs
arrl_info_service  - announcement of the ARRLs trial information service
cal_pd_freq         - California police frequencies
callbook.tar.Z          - sources for the marvin callsign server v1.3
canadian.Z          - Canadian ham database in FCC format
carpet.loop.2       - Antenna for apartments and small spaces
clubcalls.Z         - database of US ham clubs
comb6.zip      - HF Propagation Predication program
docket_91-36        - information regarding the proposed scanner regs
dxcc-k2di      - ARRL DXCC country list
element_credit          - rules about VE credit for earliers exams
elmers_admin        - information about the elmers list (see below)
elmers_list         - list of elmers on the network
exam_ops       - info on exams and exam opportunities
faq_callsign        - frequently asked questions about the callsign server
faq_ham_1      - frequently asked questions about ham radio (pts 1)
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faq_ham_2      - frequently asked questions about ham radio (pts 2)
faq_ham_3      - frequently asked questions about ham radio (pts 3)
faq_packet        - frequently asked questions about packet radio
faq_shortwave     - frequently asked questions about shortwave
fft.com           - EGA/VGA DOS command for spectral display (QST 1/92)
ffth.com       - Hercules DOS command for spectral display (QST 1/92)
field_day_92      - field day rules for 1992
florida_antenna        - Florida State antenna law info
guide2newsgroups  - description of USENET newsgroups dedicated to radio
ham_sat_sum       - summary of information needed to get on satellite
hams_on_usenet        - list of ham operators and e-mail addresses on the net
hamstacks      - information about the question pool stacks
handicap_waiver        - info on obtaining a handicapped test waiver
hf_rigs           - QST reviews of available HF rigs
ht_info           - general information about commercial hand helds
icom_ic_w21at_mods - increases the number of bands on an Icom IC W21AT
intro_to_swl      - info for aspiring short wave listeners
intro_to_scanners  - info for aspiring scanner listeners
jlem.zip       - Program, w/source, for 2kx8 ROM emulator, QEX 01/93
j-poles           - description of j-pole antenna made from twin-lead
lead_acid_batteries    - essay on lead-acid batteries
license_plates         - guide to ham calls on license plates
logos             - PostScript logos for various ham organizations
mail_order        - a database of electronic mail order shops
manufacturers     - names and addresses of ham gear manufacturers
motorola_ge_service_man - how to get service manuals for Motorola and GE rigs
nasa_select       - places where you can hear NASA SELECT broadcasts
new_packeteers         - helpful essays for new packeteers
newcomers      - tips and hints for those new to amateur radio
nprm_93_85_text        - text of docket 93-85 (message forwarding systems)
packet_clubs      - organizations you can get more packet info from
packet_gateways        - list of gateways from packet to Internet
packet_misc       - miscellaneous packet info
packet_software        - list of packet software versions
phone_bbs_list         - phone BBSs for ham related issues/software
pio_handbook      - ARRL Public Information Officer's Handbook
pr_docket_92-136  - text of FCC PR Docket 92-136
qsl_bureau1       - information about the ARRL QSL bureau
qsl_bureau2       - "what should I do if" list for the QSL bureau
qst_prodrev       - index of ARRL product reviews in QST
repeater_map_proj  - description of Electronic Repeater Mapping Project
rfi_tips       - good posting about RFI
sol_geo_data      - desciption of daily solar geophysical broadcasts
sol_terra_terms        - glossary of solar-terrestrial terms
sstv_wefax_info        - general help for SSTV and WEFAX users
usenet_purchases  - tips on buying and selling via USENET
```

For readers of this newsgroup both new and experienced, these files are

a de-facto "Required Reading List" to provide definitive answers and
pointers to other sources for questions that come up in this forum.

This is also your archive, so any additional articles, guides, or small
PostScript graphics that you feel would enhance this collection are most
welcome. Submit to Devon via his E-mail address above.

Thanks go to Devon Bowen, KA2NRC, for providing diskspace and maintaining
these valuable archives, as well as all the authors who wrote and submitted
the information contained in them.

Additional archives out there that have /pub/ham-radio directories are
encouraged to "mirror" these files to provide redundant storage for these
documents. Some of these sites (which may or may not mirror
ftp.cs.buffalo.edu) include:

```
ucsd.edu                        128.54.16.1      /hamradio
nic.funet.fi                    128.214.6.100    /pub/ham
                                                 /pub/dx
csseq.cs.tamu.edu               128.194.2.20     /ham-radio
suntan.tandem.com               130.252.10.8     /hamradio
col.hp.com                      15.255.240.16    /packet
talos.cs.buffalo.edu            128.205.32.9     /pub/ham-radio
bubba.business.uwo.ca           129.100.22.42    /hamster/ham
                                                 /hamster/tcpip
                                                 /hamster/mods
                                                 /hamster/view
vax.cs.pitt.edu                 130.49.2.1       /pub/arrl8
                                                 /pub/ka9q
                                                 /pub/ncpa
                                                 /pub/tnc2
brolga.cc.uq.oz.au              130.102.128.5    /pub/ka9q
tomcat.gsfc.nasa.gov            128.183.10.100   /public
helios.tn.cornell.edu           128.84.241.2     /pub
wuarchive.wustl.edu             128.252.135.4    /mirrors/msdos/hamradio
                                                 /mirrors/msdos/packet
                                                 /mirrors/msdos/ka9q-tcpip
                                                 /mirrors/cpm/hamradio
                                                 /mirrors/cpm/packet
                                                 /mirrors/misc/hamradio
                                                 /mirrors/misc/packet
                                                 /mirrors/misc/ka9q-tcpip
gatekeeper.dec.com              16.1.0.2         /pub/net/ka9q
sun.soe.clarkson.edu            128.153.12.3     /pub/ka9q
sics.se                         192.16.123.90    /archive/packet
                                                 /pub/packet-incoming
sabrina.dei.unipd.it            147.162.2.106    /pub/hamradio
uhunix2.uhcc.Hawaii.Edu         128.171.44.7     /incoming/ham-radio
```

```
caticsuf.cati.csufresno.edu     129.8.100.15    /pub/ham-radio
ftp.waseda.ac.jp                133.9.1.32      /pub/toumon/ham-radio
garfield.catt.ncsu.edu          152.1.43.23     /pub/hamradio
plan9.njit.edu                  128.235.1.10    /pub/hamradio
sunee.uwaterloo.ca              129.97.128.196  /pub/radio
grivel.une.edu.au               129.180.4.7     /pub/ham-radio
uxc.cso.uiuc.edu                128.174.5.50    /pub/ham-radio
iraun1.ira.uka.de               129.13.10.90    /pub/ham-radio
nic.switch.ch                   130.59.1.40     /software/hamradio
                                                /software/mac/ham-radio
iesd.auc.dk                     130.225.48.4    /ham-radio
akutaktak.andrew.cmu.edu        128.2.35.1      /aw0g (softkiss-mac)
??????????                      129.69.162.1    /pub (login as ftp
                                                    pkt cluster,usa callbook)
gandalf.umcs.maine.edu          130.111.112.21  /pub/ham-radio # ls -l NO !)
rtfm.mit.edu                    18.70.0.226     /pub/usenet/news.answers/radio
tamu.edu                        128.194.15.32   /pc-sig
ftp.geo.brown.edu               128.148.116.19  /pub/hamradio
ns.risc.net                     155.212.2.2     /ham-radio
```

Questions about FTP mirroring and access to appropriate software should
be directed to me, or do an Archie search on the keyword "mirror."

For those without FTP access (and only those without FTP access,
please), there is an FTP mail server at ftpmail@decwrl.dec.com (IP
16.1.0.1). Send the word "HELP" to this address for more information.

Additional documents on Usenet and other newsgroups may be obtained
from rtfm.mit.edu (IP 18.172.1.127) via anonymous FTP or via
mail server (send the word "HELP" to mail-server@rtfm.mit.edu).

The American Radio Relay League has recently made available a
mail-server to distribute many of their informational documents in
electronic form. Send E-mail to info@arrl.org with "HELP" in the
message body for more information.

Yet another mail-server has been made available by Steve Harding,
KA6ETB. Send E-mail to ham-server@grafex.Cupertino.CA.US with "HELP" in
the message body for more information.

73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

Celebrating 60 years of the Univ. of Maryland ARA - W3EAX (1933-1993)

Date: 15 Jul 93 14:03:37 GMT
From: world!ksr!jfw%ksr.com@uunet.uu.net
Subject: KA7QJY Components?
To: info-hams@ucsd.edu

I just got a flyer in the mail from "Dan's Small Parts And Kits", in
Missoula MT. It apparently is Danny Stevig, who used to run KA7QJY Components,
but now under a different name and a different state as well. Does anyone
know what the deal is? I sent a letter a couple of days ago, and I think I'll
call the old phone number tonight to see if he really has moved, but I
wondered if any of the readers here knew the story.

John, WB7EEL

Date: Thu, 15 Jul 1993 10:37:52 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!sdd.hp.com!col.hp.com!news.dtc.hp.com!
hpscit.sc.hp.com!hplextra!hplb!hpwin052!hpqmoea!dstock@network.UCSD.EDU
Subject: NEED: Brittish wire gauge !
To: info-hams@ucsd.edu

  The exact name is "Standard Wire Gauge" abbreviated to SWG

  I have a paper chart here, but not the time to type it all in.

   If you have a specific size or two, I'll be able to help

  David   GM4ZNX

Date: 15 Jul 93 17:32:18 GMT
From: ogicse!uwm.edu!math.ohio-state.edu!howland.reston.ans.net!darwin.sura.net!
nih-csl!postman@network.UCSD.EDU
Subject: Need specs for HP5326B
To: info-hams@ucsd.edu

I have been offered an HP5326B. I think it is a frequency counter
and volt meter. Does anyone know its specs, especially its
frequency range.

Thanks in advance.

--

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--------------------------------------------------------------------------
Andrew Mitz, Biomedical Eng., Nationl Institutes  | Opinions are mine alone
of Health Animal Center, Poolesville, MD          | arm@helix.nih.gov
--------------------------------------------------------------------------


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Date: Thu, 15 Jul 1993 08:21:31 GMT
From: pipex!uknet!sni.co.uk!brucea@uunet.uu.net
Subject: RSGB Catalog(ue)
To: info-hams@ucsd.edu

Krishna S Sampath (ksampath@magnus.acs.ohio-state.edu) wrote:
: does anyone have an online version of the RSGB books catalog(ue)?
: would appreciate it if you can mail it or post it......

As far as I'm aware there is not a published electronic version.
If you tell me what your area of interest is then I'll post the info
here or you can call or write:

RSGB Sales
Lambda House
Cranborne Road
Potters Bar
Herts EN6 3JE
ENGLAND
or call the sales number (they take plastic)
+44 707 659015

73's
Lehane
--
Lehane Kellett. G8KMH. Siemens Nixdorf Information Systems, Bracknell.
lehane@sni.co.uk
Standard disclaimers apply. Warranty void if opened.

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Date: 15 Jul 93 17:06:29 GMT
From: tijc02!eri316@uunet.uu.net
Subject: UHF Contest Activity
To: info-hams@ucsd.edu

Anybody have any feel for the level of activity I might find in the
August UHF Contest? I'm in EM86 and interested in 222, 432, 1296.

73, Ed WX4S
```

Yesterday, I posted:

: "Reference Data for Radio Engineers" has a chart of max power ratings
: of various RG cables in the 10-3000MHz range. RG-58, which will have

etc.

Well, rather than this single datapoint, you can note the following,
which should be fine for ham work in the 1.8 - 1000 MHz range: For
all coax cables, the thermally-limited power rating will go down with
the square root of frequency. So the 10MHz rating will be 3.16X the
100MHz rating and 10X the 1000MHz rating. (Note that loss in dB/
unit length goes UP with the square root of frequency, too, in this
range, for practical cables used by hams) Given that info, you just
need a few data points: using the same fairly conservative constraints
as my posting yesterday, that is 40C ambient, 80C max inner conductor
temp, but 1:1 SWR and continuous CW power, here are the max powers
_at_10MHz_ for a few common cables, from the same reference:

     RG-58 550W
     RG-59 900W
     RG-6   1.3kW
     RG-11; RG-8; RG-213; RG-214   2.1kW

Correct for frequency as noted above. Check for max voltage as well,
particularly at lower frequencies, higher impedances, and high SWR.

To correct for SWR, multiply power delivered from the transmitter
by the SWR, for use in the thermal limit. For voltage limits,
see Gary C's discussion. You can fudge on the power rating more than
on the voltage rating: if the cable arcs over and makes a carbon
track, it's gone. If you are running CW or SSB-PEP, the _average_
power is likely well below the peak power. But if you are running
something like RTTY or FM, take the power rating seriously.
(Scott D. didn't note if his 1kW at 28MHz was average or peak...)

BTW, if you can lay your hands on Teflon-insulated coax, the power
ratings for similar sizes to the above are around 10 times as high,
though the losses are only slightly better.

Date: Wed, 14 Jul 1993 16:48:06 GMT
From: sdd.hp.com!portal!lhaven.UUmh.Ab.Ca!combdyn!lawrence@decwrl.dec.com
To: info-hams@ucsd.edu

References <1993Jul12.163035.5507@combdyn.com>,
<1993Jul13.115246.15217@linus.mitre.org>, <21uuu1$sk0@cville-srv.wam.umd.edu>p
Subject : Re: Channel 6 interference

In article <21uuu1$sk0@cville-srv.wam.umd.edu> ham@wam.umd.edu (Scott Richard
Rosenfeld) writes:
>>> Can somebody tell me where I might look for the source of interference on
>>> Channel 6? I'm getting reports that the video is being interferred with.
>>>
>>> None of the other channels are being affected, but Channel 6 is a fairly
>>> weak signal. And, its a Cable channel.
>>>From a frequeny chart I have it says that the 3rd harmonic from CB radio
>>falls on ch 6.
>
>Question: Is the interference occurring on a TV that's hooked to Cable TV?
>   Cable is supposed to be a closed system, electrically speaking.
>
>   I have heard of CB'ers hooking up their radios to the cable, and
>   being able to talk all over the city with (WOW!) no interference!
>
>   Just that I didn't quite understand the original circumstances.
>   Is the receiving TV on an antenna or on cable?
>
>Scott NF3I
>
Yes, its on a TV that's hooked up to Cable TV...actually its the VCR driving
a monitor.

There are a lot of CB'ers in the neighbourhood.....

I solved the problem, he was using that cheap push-on cable that they supply
with VCRs. Replacing it with a properly shielded piece of coax fixed the
problem.

>--
>73,   _____ _____ The
>   \ / Long   Original
>Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00

>   WAC CW/SSB WAS 95% of the way to DXCC _____| Dipoles! Antenna!

--

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 --EMAIL----------------------------PHONE-----------FAX------------
| WORK: lawrence@combdyn.com       | (403)529-2162 | (403)529-2516 | CallSign
| HOME: dreamer@lhaven.uumh.ab.ca | (403)526-6019 | disconnected  |  VE6LKC
 ------------------------------------------------------------------
  disclamer = (working_for && !representing) + (Combustion Dynamics Ltd.);
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End of Info-Hams Digest V93 #859
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